PRODUCT-DETAILS

# SUP403M-K8

## Miniature Circuit Breaker - SUP400M - 3P - 8 A - K



### General Information

| | |
|---|---|
| Extended Product Type | SUP403M-K8 |
| Product ID | 2CCG000123R0001 |
| EAN | 7612271506650 |
| Catalog Description | Miniature Circuit Breaker - SUP400M - 3P - 8 A - K |
| Long Description | ABB Miniature circuit breaker SMISSLINE TP,configurations (1P,2P,3P), Tripping characteristic K, Rated breaking capacity acc. UL489 10kA |

### ABB EcoSolutions

| | |
|---|---|
| ABB EcoSolutions | Yes |
| Recyclability Rate of the Product acc. to EN45555 | Design for Closing Resource Loops - Standard EN45555 - 87.86 % |
| ABB Site Meeting Group Waste To Landfill Target | No non-hazardous waste is sent to a landfill |
| Sustainable Material Content in Packaging (wt. %) | 0 %<br>FSC Mix Cardboard - 2.62 %<br>FSC Mix Cardboard - 15.76 %<br>FSC Mix Cardboard - 43.57 %<br>FSC Mix Cardboard - 32 %<br>FSC Recycled Cardboard - 5.85 % |

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| | |
|---|---|
| Extended Product Lifetime | Product Durability |
| End Of Life Disassembling Instructions | 9AKK108469A6819 |
| Environmental Product Declaration - EPD | 9AKK108469A5736 |

## Technical

| | |
|---|---|
| Rated Ultimate Short-Circuit Breaking Capacity ($I_{cu}$) | (230 V) 40 kA<br>(400 V) 40 kA |
| Rated Service Short-Circuit Breaking Capacity ($I_{cs}$) | (240 V AC) 20 kA<br>(415 V AC) 20 kA<br>(480Y / 277 V AC) 10 kA |
| Rated Service Short-Circuit Breaking Capacity, in % of Icu ($I_{cs}$) | 50 % |
| Power Supply Connection | Arbitrary |
| Contact Position Indication | Red ON / Green OFF |
| Energy Limiting Class | 3 |
| Electrical Endurance | 10000 cycle |
| Mechanical Endurance | 10000 cycle |
| Number of Protected Poles | 3 |
| Number of Poles | 3P |
| Tightening Torque | 2.8 N·m |
| Actuator Marking | I / O |
| Recommended Screw Driver | Pozidriv 2 |
| Accessories Available | Yes |
| Number of Batteries | 0 |
| Connecting Capacity | Flexible 0.75 … 25 mm²<br>Rigid 0.75 … 35 mm² |

## Electrical

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|---|---|
| Tripping Characteristic | K |
| Rated Operational Voltage | acc. to IEC 60898-1 480 V |
| Rated Insulation Voltage ($U_i$) | acc. to IEC/EN 60664-1 500 V |
| Rated Impulse Withstand Voltage ($U_{imp}$) | 4 kV |
| Input Voltage Type | AC |
| Rated Current ($I_n$) | 8 A |
| Rated Frequency (f) | 50 ... 60 Hz |
| Power Loss | 3.6 W |
| Overvoltage Category | III |

## Material Compliance

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|---|---|
| RoHS Declaration | 2CCC005091D0201 |

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| | |
|---|---|
| RoHS Information | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| RoHS Date | 20240221 |
| REACH Declaration | 9AKK108467A9561 |
| REACH Information | True - contains substances > 0.1 mass percentage |
| REACH Date | 20230417 |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363 |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B | Business To Business |

## Environmental

| | |
|---|---|
| Ambient Air Temperature | Operation -25 … 60 °C |
| Reference Ambient Air Temperature | 40 °C |
| Degree of Protection | IP20 |
| Pollution Degree | 2 |
| Resistance to Vibrations | 1 mm 2 … 13.2 Hz |
| Environmental Information | 9AKK108467A9561 |

## Dimensions

| | |
|---|---|
| Width in Number of Modular Spacings | 54 |
| Product Net Width | 54 mm |
| Product Net Height | 102 mm |
| Product Net Depth / Length | 74.5 mm |
| Product Net Weight | 360 g |
| Built-In Depth ($t_2$) | 102 mm |

## Engineering

| | |
|---|---|
| EPLAN Data | 9AAF602870_EPLAN |

## Ordering

| | |
|---|---|
| Package Level 1 Units | carton 3 piece |
| Package Level 1 Gross Weight | 1146 g |

## Certificates and Declarations

| | |
|---|---|
| Declaration of Conformity - CE | No declaration needed |

## Installation

| | |
|---|---|
| Instructions and Manuals | 2CCR330488B0001 |

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| | |
|---|---|
| Mounting Position | Any |

## Popular Downloads

| | |
|---|---|
| Data Sheet, Technical Information | 9AKK107492A6192 |

## External Classifications and Standards

| | |
|---|---|
| ETIM 9 | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 10 | EC000042 - Miniature circuit breaker (MCB) |
| UNSPSC | 39121603 |
| eClass | V11.0 : 27141901 |
| IDEA Granular Category Code (IGCC) | 4899 >> Miniature circuit breaker (MCB) screw-in model |
| Object Classification Code | F |

## Accessories

| Identifier | Description | Type Quantity | | Unit Of Measure |
|---|---|---|---|---|
| 2CDS200914R0001 | S2C-H6RU Auxiliary Contact 1CO, UL489 | HK400 S2C-H6RU11-L | 1 | piece |
| 2CDS200924R0001 | S2C-S6RU Signal Contact UL489 | S2C-S6RU | 1 | piece |
| 2CCA703488R0001 | Dummy Housing (right side) | E210-DHR | 1 | piece |

## Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Plug-in Distribution Systems → Plug-in Distribution Systems → Miniature Circuit Breakers MCBs





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